

CLAIMS

Claim 1 (Currently amended): A cutter head disk ~~[[(1)]]~~ for a meat cutter, on which at least one knife ~~(8) can be is~~ mounted ~~and which has~~ comprising a preferably metallic core ~~[[(2)]]~~ for accommodating ~~[[the]] a~~ drive shaft, characterized in that wherein the metallic core ~~[[(2)]]~~ is surrounded, ~~preferably encapsulated by casting,~~ with an envelope (3), preferably a plastic envelope so that the metallic core ~~[[(2)]]~~ is connected in a frictional manner, ~~and/or an~~ interlocking manner, or a combination of both with the plastic envelope ~~[[(3)]]~~.

Claim 2 (Currently amended): The cutter head disk ~~as claimed in of~~ claim 1, characterized in that wherein the metallic core ~~[[(2)]]~~ has at least one recess ~~(18) for receiving~~ in each case at least one eccentric retaining bolt ~~[[(4)]]~~ for mounting the at least one knife ~~(8) can be mounted~~.

Claim 3 (Currently amended): ~~[[A]]~~ The cutter head disk of claim 1, wherein ~~(1) for a meat cutter, on which at least one knife (8) can be mounted,~~ it having at least one recess (18) in each case at least one eccentric retaining bolt (4) for the knife (8) can be mounted, characterized in that the at least one knife (8) ~~can be is~~ arranged in at least two different positions on the cutter head disk ~~[[(1)]]~~ by means of the eccentric retaining bolt ~~[[(4)]]~~.

Claim 4 (Currently amended): The cutter head disk ~~as claimed in of~~ claim 1, characterized in that it has further comprising magnets ~~[[(7)]]~~ with which the at least one knife ~~[[(8)]]~~ ~~can be is~~ fixed on the cutter head disk ~~[[(1)]]~~.

Claim 5 (Currently amended): The cutter head disk ~~as claimed in of~~ claim 1, characterized in that it has further comprising at least one sealing edge ~~[[(13)]]~~.

Claim 6 (Currently amended): The cutter head disk ~~as claimed in of~~ claim 5, characterized in that wherein the at least one sealing edge ~~[[(13)]]~~ is designed as a raised circular ring or section.

Claim 7 (Currently amended): The cutter head disk ~~as claimed in of~~ claim 1, characterized in that it has further comprising a plurality of recesses ~~(5, 11)~~.

Claim 8 (Currently amended) The cutter head disk ~~as claimed in~~ of claim 7, characterized in that further comprising a plurality of weights (6, 12) can be that are fitted into the plurality of recesses [(5, 11)].

Claim 9 (Currently amended): The cutter head disk ~~as claimed in~~ of claim 1, characterized in that it has further comprising a plurality of shoulders [(19),] [(the)] a height of which is essentially the same as or ~~somewhat~~ smaller than [(the)] a thickness of [(the)] a base [(21)] of the at least one knife [(8)] and [(the)] a distance between which essentially corresponds to [(the)] a width of the base of the at least one knife.

Claim 10 (Withdrawn): A knife, characterized in that the ratio of clamping radius B to knife radius A is 0.3 – 0.4, preferably 0.37 – 0.38.

Claim 11 (Withdrawn): The knife, in particular as claimed in claim 10, characterized in that the ratio of knife radius A to receiving width C is 1.4 – 2.0, preferably 1.6 – 1.7.

Claim 12 (Currently amended): A system comprising a cutter head disk having a metallic core for accommodating a drive shaft, as claimed in claim 1 and two knives [(8)] which in each case have two ~~recesses (20), preferably holes, characterized in that the~~ wherein the metallic core is surrounded with a plastic envelope so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope and eccentric retaining bolts [(4)] are introduced into the holes [(20)].

Claim 13 (Currently amended): A system comprising a cutter head disk having a metallic core for accommodating a drive shaft, as claimed in claim 1 and, a knife, [(8)] and a filling plate (9, 40) which in each case has two ~~recesses (20), preferably holes, characterized in that the~~ wherein the metallic core is surrounded with a plastic envelope so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope and eccentric retaining bolts [(4)] are introduced into the holes [(20)].

Claim 14 (Currently amended): The system ~~as claimed in~~ of claim 13, characterized in that wherein the filling plate has recesses [(22)].

Claim 15 (Currently amended): The system ~~as claimed in~~ of claim 12, characterized in that wherein the two knives, (8) and/or the filling plates, (9, 10) can be or both are reversibly fastened to the cutter head disk [(1)] with [(the)] magnets [(7)].

Claim 16 (Currently amended): The system, ~~preferably as claimed in~~ of claim 12, characterized ~~in that the~~ wherein a ratio of a clamping radius B to a knife radius A is 0.3 – 0.4, preferably 0.37 – 0.38.

Claim 17 (Currently amended): The system, ~~as claimed in~~ of Claim 12, characterized in that the a ratio of a knife radius A to a receiving width C is 1.4 – 2.0, preferably 1.6 – 1.7.

Claim 18 (Currently amended): A ~~cutter head, having a least one system comprising at least one cutter head disk on which at least one knife is mounted, the at least one cutter head disk being claimed in claim 9, characterized in that it is arranged on a drive shaft, wherein the cutter head includes a metallic core for accommodating the drive shaft, the metallic core being surrounded with a plastic envelope so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope and wherein the cutter head further includes a plurality of shoulders, a height of which is the same as or smaller than a thickness of a base of the at least one knife and a distance between which corresponds to a width of the base of the at least one knife.~~

Claim 19 (Currently amended): The ~~cutter head as claimed in~~ system of claim 18, characterized ~~in that the~~ wherein a dynamic unbalance of the at least one cutter head disk is compensated for in a plane of the at least one knife plane.

Claim 20 (Currently amended): The ~~cutter head as claimed in~~ system of claim 18, characterized ~~in that it does~~ wherein the at least one cutter head disk is or is not have to be balanced.

Claim 21 (Currently amended): The ~~cutter head as claimed in~~ system of claim 18, characterized ~~in that all of the~~ at least one knife includes a plurality of knives that are all of equal length.

Claim 22 (Currently amended): The ~~cutter head as claimed in~~ system of claim 18, ~~characterized in that it~~ wherein the at least one cutter head disk is closed to the outside and is smooth apart from the protruding at least one knife ~~knives~~.

Claim 23 (Withdrawn): A method for installation of a cutter head as claimed in claim 18, characterized in that the cutter head disk (1) is fastened to the shaft and the knives (8) and/or a knife (8) and a filling plate (9) are then mounted on the cutter head disk (1).

Claim 24 (Withdrawn): The method as claimed in claim 23, characterized in that the cutter head is fixed on the shaft.

Claim 25 (Withdrawn): A method for installation of a cutter head as claimed in claim 18, characterized in that the cutter head disks (1) and the knives (8) and filling plates (9, 10) are preassembled on a sleeve which is then mounted on the cutter head shaft.

Claim 26 (Withdrawn): The method as claimed in claim 23, characterized in that every knife can be combined with every cutter head disk.